

SHE CHASSIEICATION

BEST AVAILABLE COPY

PATENT NUMBER							
- 1							

U.S. **UTILITY** Patent Application

0.5. UTILITY Faterit Applic	alion	•
O.I.P.E.	PATENT DATE	
SCANNED AC3 QA. VLI	and the second s	0

A	PPLICATION NO.	CONT/PRIOR	CLASS	OUDOL 400		The state of the state of the state of	
	09/989369	OCIVITION	165	SUBCLASS 41	3743	EXAMINER FOR O	* ***
PPLICANTS	Gresory Wh Wer Yu	nitlow	ジ.			1 1010	
TITLE A	Heat excha	mger tube	e with :	stone prote	ction appe	endage	
201.5							PTO-2040 12/99

061

SSUING CLASSIFICATION							
ORIGINAL:	CROSS REFERENCE(S)						
CLASS	CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)				/ 抗心病	
165 41	165	51	134.1	916	183	1833	19 x . 4- 1 .
INTERNATIONAL CLASSIFICATION				10.5	The Region		
数数数数据 经收益 医电子		,	} :		7 7	i rvi siridi;	
83. (1) 图 10 10 10 10 10 10 10 10 10 10 10 10 10			į.				+36 + 192 - 7
State	A			,			44
图数图 2018年,1918年1月1日			- F.		*		4: 37
图 图图图 电影人员 化二次子二			; 🗆	Continued o	n Issue Slip I	nside File Ja	cket je 🔨 🤄

TEDRINAL			- 				
TERMINAL DISCLAIMER		DRAWINGS			CLAIMS ALLOWED		
DISCLAIMER	Sheets Drwg.	Figs. Drwg.	Print Fig.	Total Claims	Print Claim for O.G.		
			2A+3	*			
☐ The term of this patent	, ,			NOTICE OF ALLOWANCE MAILED			
subsequent to (date) has been disclaimed.							
nas been disclaimed.	(Assistant	Examiner)	(Date)		18		
The term of this patent shall					•		
not extend beyond the expiration date of U.S Patent. No.				ISSUE FEE			
			Ī	Amount Due	Date Paid		
		Examiner)					
	(Primary)	Examiner)	(Date)				
The terminalmonths of this pater: have been disclaimed.			·	ISSUE BAT	CH NUMBER		
This paterit have been discialined.	(Legal Instrum	ents Examiner)	(Date)				
WARNING:							
The information disclosed herein may be res Possession outside the U.S. Patent & Traden	tricted. Unauthorized nark Office is restricted	disclosure may be p to authorized emplo	rohibited by the Ur yees and contracto	nited States Code Title 35 ors only.	5, Sections 122, 181 and 368.		
om PTO-436A ev. 6/99)			FILED WITH:	DISK (CRF)	FICHE CD-ROM		
- ·•					ttached in pocket on right inside fla		

(FACE)